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APPLICATION N	NO. I	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO	
10/092,333		03/06/2002	Imed Gharsalli	01-484	9000	
719	7590	09/13/2005		EXAM	EXAMINER	
	PILLAR IN		NGUYEN, KI	NGUYEN, KIMNHUNG T		
PATENT		REEI	ART UNIT	PAPER NUMBER		
PEORIA	, IL 61629	6490	2677			
				DATE MAIL ED: 09/13/200	ς.	

Please find below and/or attached an Office communication concerning this application or proceeding.

(*1**3**

-		Annlicat	tion No	Applicant(s)				
	Office Action Summary	10/092,		GHARSALLI ET /	AL.			
	Onice Action Summary	Examine		Art Unit				
			ng Nguyen	2677				
Period fo	The MAILING DATE of this communica or Reply	ation appears on th	he cover sheet w	rith the correspondence ac	ddress			
WHIC - Exte after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR CHEVER IS LONGER, FROM THE MAII nsions of time may be available under the provisions of 3 SIX (6) MONTHS from the mailing date of this community of period for reply is specified above, the maximum stature to reply within the set or extended period for reply will reply received by the Office later than three months after ed patent term adjustment. See 37 CFR 1.704(b).	LING DATE OF T 37 CFR 1.136(a). In no e ication. ory period will apply and I, by statute, cause the ap	THIS COMMUNION COMMUNION COMMUNION COMMUNION COMMUNICATION	CATION. reply be timely filed NTHS from the mailing date of this of BANDONED (35 U.S.C. § 133).	,			
Status								
1)[Responsive to communication(s) filed of	on 16 August 200	15					
3)	· · · · · · · · · · · · · · · · · · ·							
-,-	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Dispositi	ion of Claims	•	• •					
4) 又	Claim(s) <u>1-15</u> is/are pending in the app	olication						
•,	4a) Of the above claim(s) is/are withdrawn from consideration.							
5)	Claim(s) is/are allowed.							
_	Claim(s) <u>1-15</u> is/are rejected.							
7)	Claim(s) is/are objected to.			•				
8)□	Claim(s) are subject to restrictio	n and/or election	requirement.					
Applicati	on Papers							
9)□	The specification is objected to by the E	xaminer						
	The drawing(s) filed on is/are: a)		o) ☐ objected to	by the Examiner.				
•—	Applicant may not request that any objectio	•	•	•				
	Replacement drawing sheet(s) including the			• • • • • • • • • • • • • • • • • • • •	FR 1.121(d).			
11)	The oath or declaration is objected to by			-	, ,			
Priority ι	ınder 35 U.S.C. § 119							
12)🖂	Acknowledgment is made of a claim for	foreign priority ur	nder 35 U.S.C.	§ 119(a)-(d) or (f).				
a)[⊠ All b) ☐ Some * c) ☐ None of:			- , , , , , ,				
	1. Certified copies of the priority do	cuments have be	en received.					
	2. Certified copies of the priority documents have been received in Application No							
	3. Copies of the certified copies of t	the priority docum	nents have been	received in this National	Stage			
	application from the International	•	· · · ·					
* S	See the attached detailed Office action for	or a list of the cen	tified copies not	received.				
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Attachment	Ne\							
	e of References Cited (PTO-892)		4) Interview 9	Summary (PTO-413)				
2) 🔲 Notic	e of Draftsperson's Patent Drawing Review (PTO-		Paper No(s)/Mail Date				
	nation Disclosure Statement(s) (PTO-1449 or PTC r No(s)/Mail Date	O/SB/08)	5)	Notice of Informal Patent Application (PTO-152) Other:				

DETAILED ACTION

This Application has been examined. The claims 1-15 are pending. The examination results are as following.

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claims 1-15 are rejected under 35 U.S.C. 102(b) as being anticipated by Takamura (JP 05-263435).

Regarding claim 1, Takamura discloses in figure 3, a method for controlling a parameter of at least one signal including the steps of: receiving a desired command signal from at least one control input (see lever 6 operator on a neutral position, see abstract), determining a potential condition for receiving an undesired command signal from at least one other control input (see lever 6 is inadvertently operated, see abstract); controlling a parameter of an undesired command signal received from the at least one other control input in response to the potential condition (see the lever 6 does not reach the preset value of a down side neutral position dead zone S3 setter, and see 0016), delivering the desired command signal and the undesired command signal to at least one output (see 0014).

Regarding claim 2, Takamura discloses in fig. 3, the receiving a desired command signal includes the step of receiving a desired command signal from at least one axis of a joystick (see operator of lever 6, see abstract).

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Regarding claim 3, Takamura discloses in fig. 3, the receiving a desired command signal includes the step of receiving a desired command signal from at least one level (see lever 6, see abstract).

Regarding claim 4, Takamura discloses that the receiving a desired command signal includes the step of receiving a desired command signal from an automated program (see 0002).

Regarding claim 5, Takamura discloses the receiving a desired command signal includes the step of receiving a desired command signal from a proportional output device (see fig.3, see 0004).

Regarding claim 6, Takamura discloses that the controlling a parameter of an undesired command signal includes the step of increasing an amount of deadband of the at least one other control input (see operator lever 6 does not reach the preset value of a down side neutral position dead zone S3 setter, and see dead zone for a desired actuator larger than the inadvertent overshoot quantity of the operating device, see abstract).

Regarding claim 7, Takamura discloses that the controlling a parameter of an undesired command signal includes the step of controlling a gain parameter of the at least one other control input (see dead zone for a desired actuator larger than the inadvertent overshoot quantity of the operating device, see abstract).

Regarding claim 8, Takamura discloses in fig. 3, an apparatus for controlling a parameter of at least one signal, comprising: a plurality of control inputs (see operator lever 6 having multiple positions from P4, P13, P14 and P15, see abstract); and a controller (see electronic controller lever, see 0002) for receiving a first command signal from at least one control input lever 6) determining a potential condition for receiving an undesired command signal from at

least one other control input; receiving a second command from the at least one other input (see lever 6 from a raising, see abstract, see 0016); controlling a parameter of the second command signal in respond to the potential condition; and delivering the first and second command signals to at least one output (see 0002).

Regarding claim 9, Takamura discloses in fig. 3, the plurality of control inputs includes a joystick (see lever 6 shifted to multiple positions).

Regarding claim 10, Takamura discloses the joystich includes a plurality of axes, each axis providing an associated control input (because the lever 6 can shift anywhere).

Regarding claim 11, Takamura discloses the plurality of control inputs includes at least one level (see lever 6 shifted from P4, 13, 14, 15, see abstract).

Regarding claim 12, Takamura discloses the plurality of control inputs includes at least one automated program for initiating a command signal (see 0002).

Regarding claim 13, Takamura discloses the plurality of control inputs includes at least one proportional output device (see 0002, 0004).

Regarding claim 14, Takamura discloses in fig. 3, the plurality of control inputs includes at least one of a joystick (see abstract).

Regarding claim 15, Takamura discloses in fig. 3, the controller includes an input/output control interface; and a deadband control function (see dead zone, see abstract).

3. Claim 1 is rejected under 35 U.S.C. 102(b) as being anticipated by Suzuki (JP 02-230410).

Regarding claim 1, Suzuki discloses in fig. 2, a method for controlling a parameter of at least one signal including the steps of (see preparing plural additional dead zone, see abstract): receiving a desired command signal from at least one control input (see lever 2, see abstract), determining a potential condition for receiving an undesired command signal (see signal for misoperation, see abstract) from at least one other control input; controlling a parameter of an undesired command signal received from the at least one other control input in response to the potential condition (see preparing plural additional dead zone, see abstract), delivering the desired command signal and the undesired command signal to at least one output (see signals to be sent to the working actuators, see abstract).

Response To Arguments

- 4. Applicant's arguments with respect to claims 1-15 filed on 8/16/05 have been considered but are most in view of the new ground(s) of rejection.
- 5. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event,

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however, will the statutory period for reply expire later than SIX MONTHS from the date of this

final action.

Correspondence

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Kimnhung Nguyen whose telephone number is (571) 272-7698.

The examiner can normally be reached on MON-FRI, FROM 8:30 AM-5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Patrick Edouard can be reached on (571) 272-7603. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

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system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Kimnhung Nguyen September 7, 2005

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